

APPARATUS AND METHOD FOR LASER WELDING BELLWS
BASED ON REFERENCE POINT DETERMINING

Abstract of the Disclosure

A laser welding apparatus includes a fixture for supporting a plurality of bellows diaphragms in side-by-side relation to define pairs of adjacent outer edges to be welded adjacent a laser. The apparatus also includes a reference point determining device for determining at least one reference point relating to locations of the outer edges. A positioner and controller are provided to position the laser relative to the fixture and to control the direction of the laser beam to weld edges based on the at least one reference point.

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